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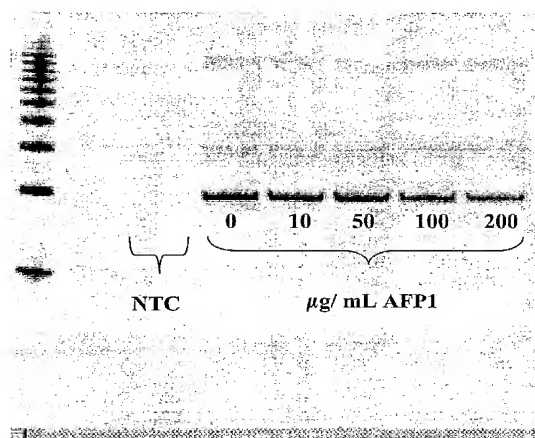
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(54) Title: ANTI-FREEZE PROTEIN ENHANCED NUCLEIC ACID AMPLIFICATION

## Real-Time PCR Titration with AFP1



50ug/mL AFP1 is the highest concentration that does not affect product yield.

(57) Abstract: Methods and compositions are provided for enhanced signal intensity and storage stability of standard nucleic acid amplification buffers, real-time PCR buffers or both. Buffers in accordance with the present invention include anti-freeze protein(s) (AFPs), optionally with a carrier protein, such as BSA.

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